

Title (en)  
Light emitting device

Title (de)  
Lichtemittierende Vorrichtung

Title (fr)  
Dispositif émetteur de lumière

Publication  
**EP 1775772 A2 20070418 (EN)**

Application  
**EP 06013115 A 20060626**

Priority  
• KR 20050097043 A 20051014  
• KR 20050097254 A 20051015

Abstract (en)

The present invention relates to a light emitting device where difference of brightness of pixels can be reduced when the same data currents are applied to the pixels. The light emitting device includes anode electrode layers (300), cathode electrode layers (302), pixels (304) and cathode lines (310A,310B). The anode electrode layers are disposed in a first direction. The cathode electrode layers are disposed in a second direction. The pixels are formed in cross areas of the anode electrode layers and the cathode electrode layers. The cathode lines are coupled to the cathode electrode layers. Here, in one cathode electrode layer, at least one of resistors between parts corresponding to pixels except a first pixel next to a cathode line corresponding to the cathode electrode layer has resistance smaller than resistor between a part corresponding to the first pixel and a part corresponding to a pixel next to the first pixel.

IPC 8 full level  
**H01L 51/52** (2006.01); **G09F 9/30** (2006.01); **H01L 27/32** (2006.01); **H01L 51/50** (2006.01); **H05B 33/12** (2006.01); **H05B 33/22** (2006.01);  
**H05B 33/26** (2006.01)

CPC (source: EP US)  
**H10K 50/822** (2023.02 - US); **H10K 59/179** (2023.02 - EP US); **H10K 59/80521** (2023.02 - EP); **H10K 59/173** (2023.02 - EP US)

Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC NL PL PT RO SE SI SK TR

Designated extension state (EPC)  
AL BA HR MK YU

DOCDB simple family (publication)

**EP 1775772 A2 20070418; EP 1775772 A3 20101006; EP 1775772 B1 20160511;** JP 2007108672 A 20070426; JP 4999370 B2 20120815;  
US 2007085787 A1 20070419; US 7737922 B2 20100615

DOCDB simple family (application)

**EP 06013115 A 20060626;** JP 2006178224 A 20060628; US 45570606 A 20060620